HP Officejet Pro L7590 All-in-One Printer, Fax, Scanner, Copier

Datasheet

Professional-quality color at up to 50% lower cost per page than lasers[1] using HP Officejet inks.

Print Speed: Maximum 35 ppm black and 34 ppm color[2], Laser Quality Speed: up to 12 ppm black and up to 10 ppm color
Scan Resolution: Up to 2400 x 4800 dpi
Copy Reduce/Enlarge: 25 to 400%
Fax memory: Up to 125 pages
Display: 2 line text display
Networking: Built-in Ethernet
Paper Handling: 250-sheet paper tray, 50-sheet Automatic Document feeder, Automatic two-sided printing

Save up to 50% per page compared to lasers[1]

- Professional-quality color at up to 50% lower cost per page than lasers[1] using HP Officejet inks
- Save money from the start with a lower price than comparable color lasers[3]
- You can lower costs with individual inks and HP high-capacity cartridges for twice as many black pages[4]

Print color documents—and everything else—fast

- Print maximum speeds of 35 ppm black/34 ppm color[1], Laser Quality Speeds up to 12 ppm black/10 ppm color[2]
- Enhance productivity with 50-sheet automatic document feeder
- Share your all-in-one with embedded wired networking
- Save time and increase productivity—manage HP devices and supplies with HP Easy Printer Care[5]
- Scan directly to memory devices[6] or USB storage devices[7]

Give your work a professional touch

- Print laser-quality black text and graphics, plus business-quality photos using HP Officejet inks
- Get outstanding scans of photos, documents and more with 2400 x 4800 dpi CCD optical scanning[8]
- Create print shop-quality marketing materials for less with HP Officejet Brochure Value Pack
- Enhance the quality of documents using papers featuring ColorLok technology

Green—the environments' favorite color

- Consumer significantly less power when printing compared to laser devices[9]
- Save paper with included two-sided printing accessory
- Recycle ink cartrdiges responsibly with HP Planet Parnters—it's free and easy[10]
- Handle big jobs with confidence with high monthly print volume and reliable HP quality

[1]Majority of laser AiOs < $750.Officejet Pro with XL cartridges. For details hp.com/go/officejet
[2]After first page; see http://www.hp.com/go/inkjetprinter for details
[3]Based on manufacturers' stated retail prices as of September 2007.
[4]High capacity cartridges not included, please purchase separately. Declared yield values for HP 88XL black and color Officjet ink cartridges in accordance with ISO/IEC 24711. For more information, visit www.hp.com/go/pageyield.
[5]For device compatibility, visit: www.hp.com/go/easyprintercare.
[6]For information on compatibility, visit www.hp.com/support.
[7]Memory card slots support Secure Digital/MultiMedia Card, CompactFlash,™ Memory Stick,® Memory Stick® Duo, xD-Picture Card™.
[8]Maximum resolution is limited by available computer memory, disk space, and other system factors.
[9]Compared to color laser AiOs under $750. Based on manufacturers' stated power consumption during printing as of September 2007.
[10]HP ink cartridge return and recycling is available in 42 countries and territories around the world, covering 88% of the addressable market; see www.hp.com/recycle for details.

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Technical specifications

AIO functions	Color printing, color copying, color scanning, color faxing, black-and-white printing, black-and-white copying, black-and-white scanning, black-and-white faxing
Print technology	HP Thermal Inkjet; **HP Real Life Technologies features:** Photo Fix
Print speed	**Black:** Maximum 35 ppm, **Color:** Maximum 34 ppm, **4 x 6 photos:** As fast as 90 sec; **Laser Quality Speed Black:** Up to 12 ppm; **Laser Quality Speed Color:** Up to 10 ppm
Print resolution	**Color (best):** Up to 4800 x 1200 optimized dpi color (on premium photo paper, 1200 x 1200 input dpi); **Black (best):** Up to 1200 x 1200 dpi
Print Capabilities	**Borderless printing supported:** Yes (up to 8.5 x 11 in), **Direct print supported:** Yes (memory cards, PictBridge cameras)
Standard connectivity	Hi-Speed USB 2.0, 10/100Base-T wired Ethernet, PictBridge, RJ-11 fax
Network ready	Standard (built-in Ethernet)
Memory slots (number and type)	4 slots: CompactFlash I/ II, Secure Digital, MultimediaCard (MMC), Secure MMC, xD, Memory Stick, MagicGate Memory Stick, Memory Stick Duo, and Memory Stick Pro
Memory card compatible	CompactFlash Type I and II, Secure Digital/MultiMediaCard/Secure MultiMediaCard, xD-Picture Card, Memory Stick, MagicGate Memory Stick, Memory Stick Duo, Memory Stick Pro
Print languages standard	HP PCL 3 GUI
Fax features	**Junk barrier supported:** Yes; **Remote retrieval capability supported:** No; **Fax forwarding supported:** Yes; **Fax phone TAM interface supported:** No; **PC interface supported:** Yes; **Fax polling supported:** Yes; **Distinctive ring detection supported:**Yes; **Delayed sending supported:** Yes; **Auto redialing supported:** Yes; **Auto fax reduction supported:** Yes; **Fax memory (letter):** Up to 125 pages; **Maximum broadcast locations:** 20; **Speed dials:** Up to 99 numbers
Fax phone features	Speed dial, program dial, monitor dial, redial, speaker volume control, auto answer, manual faxing
Fax speed (letter)	3 sec per page; **Fax and modem description:** 33.6 Kbps
Fax resolution	**Fax resolution black (standard):** 203 x 98 dpi; **Fax resolution black (fine):** 203 x 196 dpi; **Fax resolution black (best):** Up to 300 x 300 dpi;
Scan technology/type/size	CCD, **Scan type:** Flatbed, ADF **Max. scan size:** 8.5 x 11.7 in
Scan input modes	Front-panel scan (scan-to-application), Copy, Fax, or Direct Digital Filing (scan-to-network folder) buttons; HP Solutions Center software; and TWAIN/WIA scan driver
Scan resolution[3]	**Optical:** Up to 2400 dpi, **Hardware:** Up to 2400 x 4800 dpi, **Enhanced:** Up to 19200 dpi; **Bit-depth:** 48-bit, 256 Grayscale levels
Copier settings	Copies, lightness/darkness, reduce/enlarge, quality, collation, margin shift, tray select
Copy resolution	**Black text/graphics:** Up to 1200 x 600 dpi, **Color graphics:** Up to 1200 x 600 dpi; **Color fine:** Up to 200 x 200 dpi
Copy speed[4]	**Black:** Up to 35 cpm, **Color:** Up to 34 cpm,
Number of copies/Copy scaling	**Maximum:** Up to 99 copies; **Reduce/Enlarge:** 25 to 400%
Media types	Paper (plain, inkjet, photo, banner), envelopes, labels, cards (index, greeting), transparencies
Media sizes supported	Letter, legal, statement, executive, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 4 x 10 in, 4 x 11 in, 4 x 12 in, 8 x 10 in, envelopes (No. 10, Monarch, DL); **Custom media sizes:** 3 x 5 to 8.5 x 14 in
Media weight supported	Tray 1: 16 - 28 lb (plain media), 16 - 110 lb (special media), up to 110 lb (index cards); Tray 2: 16 - 28 lb (plain media), **Recommended:** 20 to 24 lb
Paper Handling	**Standard:** 250-sheet input tray, 50-sheet automatic document feeder, two-sided printing accessory; **Input capacity:** Up to 250 sheets Letter/Legal, Maximum: Up to 600 sheets Letter/Legal (with optional 35-sheet paper tray, not included), Up to 70 sheets transparencies, Up to 80 cards, Up to 55 sheets 4 x 6 photos, Up to 55 sheets photo paper, Up to 30 envelopes; **Output capacity:** Up to 150 sheets letter/legal, Up to 60 sheets transparencies, Up to 60 cards, Up to 15 envelopes
Memory/processor	64 MB; Processor speed: 192 MHz
Display	LCD (2-line text)

Duty cycle (monthly, letter)	Up to 7500 pages
Operating system (compatible)	Windows 2000; Windows XP Home; Windows XP Professional; Windows XP Professional x64; Windows Vista(R); Mac OS X v 10.3.9 or higher; With Windows Vista(R), some features may not be available
Minimum system requirements	**PC:** Windows 2000 Service Pack 4, Windows XP Home, Windows XP Professional (32-bit): Intel Pentium II or Celeron processor, 128 MB RAM, Internet Explorer 6.0, 280 MB free hard disk space; Windows XP Professional x64: AMD AthlonTM 64 or OpteronTM processor, Intel Xeon or Pentium processor with Intel EM64T support, 128 MB RAM, Internet Explorer 6.0, 280 MB free hard disk space; Windows Vista(R): 800 MHz 32-bit (x86) or 64-bit (x64) processor, 512 MB RAM, Internet Explorer 7.0, 790 MB free hard disk space; Adobe Acrobat Reader 5 or higher; With Windows Vista(R), some features may not be available, **Mac:** Mac OS X v 10.3.9 or higher, v 10.4.9 or higher, v 10.5: 400 MHz Power PC G3 (v 10.3.9 or higher, 10.4.9 or higher) or 1.83 GHz Intel Core Duo (v 10.4.9 or higher); 256 MB RAM; 300 MB free hard disk space; QuickTime 5.0 or higher; *Software is available for download from: http://www.hp.com/support
Operating Environment	**Recommended operating temperature:** 59 to 90 ° F (15 to 32 ° C); **Maximum operating temperature:** 41 to 104 ° F (5 to 40 ° C), **Temperature storage range**:-40 to 140 ° F **Operating humidity:** 20 to 80% RH; **Humidity recommended operating range:** 25 to 75% RH;
Power[5]	**Power supply type:** External, **Input voltage:** 100 to 240 VAC (+/- 10%), 50 to 60 Hz (+/- 3 Hz), 1.8 amp, **Power supply required: Power consumption (sleep):** 10 watts, **Power consumption (active, printing):** 28 watts (printing); 33 watts (fax/copy)
Acoustics	**Acoustic power emissions (active, printing)6.5 B(A) (printing at 16 ppm, Normal mode),** 6.8 B(A) (printing at 35 ppm, Draft mode); **Acoustic pressure emissions (active):50 dB(A) (printing at 16 ppm, Normal mode):** 54 dB(A) (printing at 35 ppm, Draft mode), 14 dB(A) (Powersave mode), 15 dB(A) (Standby mode)
Product dimensions/weight	**w x d x h:** 20.67 x 18.35 x 14.02 in, **weight:** 34.26 lb
Warranty features	One-year limited hardware warranty backed by HP Customer Care, service and support; one-year technical phone support, plus a toll-free number
What is in the box	HP Officejet Pro L7590 All-in-One, automatic two-sided printing accessory, 2 printheads, HP 88 Black Officejet Ink Cartridge (~850 pages)[6], HP 88 Cyan Officejet Ink Cartridge, HP 88 Magenta Officejet Ink Cartridge, HP 88 Yellow Officejet Ink Cartridge (composite yield ~900 pages)[6], power supply, power cord, phone cord, setup poster, Getting Started Guide, CD-ROMs (for software, Windows and Mac printer drivers, and User's Guide)
Service and Support	HP 2-year Next Business Day Exchange, UG103E HP 3-year Next Business day Exchange, UG073E HP 4-year Next Business Day Exchange, UH607E
Replacement Ink Cartridges[6]	HP 88 Black Officejet Ink Cartridge (~850 pages), C9385A HP 88 Cyan Officejet Ink Cartridge (composite yield ~900 pages) HP 88 Magenta Officejet Ink Cartridge (composite yield ~900 pages) HP 88 Yellow Officejet Ink Cartridge (composite yield ~900 pages) HP 88XL Black Officejet Ink Cartridge, (~2450 pages), C9396A HP 88XL Cyan Officejet Ink Cartridge (composite yield ~1700 pages) HP 88XL Magenta Officejet Ink Cartridge (composite yield ~1700 pages) HP 88XL Yellow Officejet Ink Cartridge (composite yield ~1700 pages) HP 88 Black and Yellow Printhead, C9381A HP 88 Magenta and Cyan Printhead, C9382A
Accessories	HP USB cable Q6264A, HP 350-sheet paper tray CB007A, HP Jetdirect ew2400 802.11g Wireless Print Server J7951G, HP Jetdirect en1700 IPv4/IPv6 Print Server J7988G, HP Jetdirect en3700 Fast Ethernet Print Server J7942G, HP Jetdirect 175x Fast Ethernet Print Server J6035G, HP bt500 Bluetooth USB 2.0 Wireless Adapter Q6273A, HP Wireless Printing Upgrade Kit Q6236A

For more information visit our website at www.hp.com

HP Product
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Part Number
CB821A

ENERGY STAR® qualified models; see: hptp://www.hp.com/go/energystar

[1]After first page; see http://www.hp.com/go/inkjetprinter for details. [2].Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory [3]The maximum dpi at which you can scan is limited by available computer memory, disk space, and other system factors. [4]Speed specifications have been updated to reflect current industry testing methods. [5]Power requirements are based on Europe and North America. The operating readings are taken from the average power consumed during normal mode printing. [6]Yield varies considerably based on content of printed pages and other factors. See: www.hp.com/go/learnaboutsupplies

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